

Claims:

1. A method in reeling up, in which a paper web or the like (W) is reeled around a center-driven reel spool (5) and the reel spool (5) is transferred from the primary reeling to the secondary reeling in which reeling the reel spool (5) is transferred in accordance with the growth of the reel by means of a transfer device (7) at least at some stage of the reeling and the web is brought at said stage from below the reel spool (5) via a reeling nip (N1) formed by the reel spool (5) and a loop (1) of an endless supporting member, **characterized** in that during the reeling process, at least at some stage, an auxiliary nip (N2) is formed by means of the reel spool (5) and a roll (10, 10''), via which the web (W) is guided around the reel spool.
2. The method according to claim 1, **characterized** in that the web (W) is guided around the reel spool (5) during the reeling in the travel direction of the web (W) in such a manner that the web (5) is guided via the loop (1) of the supporting member to the reeling nip (N1) and then to the auxiliary nip (N2).
3. The method according to claim 1, **characterized** in that the web (W) is guided around the reel spool (10) during the reeling in the travel direction of the web (W) in such a manner that the web (5) is guided via the periphery of the roll (10) to the auxiliary nip (N2) and then to the reeling nip (N1).
4. The method according to claim 1, **characterized** in that the auxiliary nip (N2) is formed during the primary reeling.
5. The method according to claim 4, **characterized** in that the auxiliary nip (N2) is also formed during the secondary reeling.
6. The method according to any of the preceding claims 1 to 4, **characterized** in that the auxiliary nip (N2) is formed by means of the roll (10, 10'') for the duration of the threading of the web (W).

7. The method according to any of the preceding claims 1, 3 or 4, **characterized** in that the roll (10, 10') is arranged to function as a guiding roll for the web.
- 5 8. The method according to any of the preceding claims 1 to 7, **characterized** in that the reeling nip (N1) is formed below the surface of the reel spool defined by the horizontal diameter of the reel spool (5).
- 10 9. The method according to any of the preceding claims 1 to 8, **characterized** in that the auxiliary nip (N2) is formed above the surface of the reel spool limited by the horizontal diameter of the reel spool (5).
- 15 10. The method according to claim 4, **characterized** in that during the secondary reeling a nip (N3) is formed by means of the reel (R) and a press roll (9, 9', 9'', 9''').
- 20 11. The method according to claim 1 or 4, **characterized** in that the reel spool (5) is transferred by means of the transfer device (7) during the secondary reeling.
- 25 12. The method according to claim 1 or 5, **characterized** in that the reel spool (5) is transferred by means of the transfer device (7) during the primary reeling.
- 30 13. The method according to any of the claims 1 to 12, **characterized** in that in the axial direction the shell of the roll (10, 10') is at least as long as the width of the web in its cross direction, preferably the shells of the roll (10, 10') and the reel spool (5) are equally long in the axial direction.
- 35 14. The method according to any of the preceding claims 1 to 13, **characterized** in that the primary reeling is adjusted by means of the nip force produced by the roll (10, 10').
15. The method according to claim 14, **characterized** in that the nip force produced by the roll (10, 10') is measured and the measurement

result (12) is transmitted to a control and adjustment unit (11) in which a nip force control and adjustment message (13) is formed.

5 16. The method according to any of the preceding claims 1 to 14, characterized in that the primary reeling is adjusted by means of the torque of the roll (10, 10').

10 17. The method according to claim 16, **characterized** in that the torque of the roll (10, 10') is measured, and the measurement result (14) is transmitted to the control and adjustment unit (11) in which a torque control message (15) is formed.

15 18. The method according to any of the preceding claims 1 to 14, characterized in that the reeling is adjusted by means of the surface draw of the paper web (W).

20 19. A reel-up which comprises means for reeling a paper web or the like (W) around a center-driven reel spool (5), said means comprising a transfer device (7) for transferring the reel spool (5) in accordance with the growth of the reel, wherein the reel-up also comprises an endless supporting member (1) and a reeling nip (N1) formed by means of the loop of the endless supporting member (1) and the reel spool (5),
25 **characterized** in that the means for reeling comprise a roll (10, 10') which together with the reel spool (5) form an auxiliary nip (N2) via which the web (W) is guided around the reel spool (5).

30 20. The reel-up according to claim 19, **characterized** in that the means for reeling comprise means both for primary and secondary reeling.

21. The reel-up according to claim 19 or 20, **characterized** in that the roll (10, 10') together with the reel spool (5) forms an auxiliary nip (N2) during the primary reeling.

35 22. The reel-up according to claim 21, **characterized** in that the roll (10, 10') together with the reel spool (5) also forms an auxiliary nip (N2) during the secondary reeling.

23. The reel-up according to claim 19, **characterized** in that in the shell of the roll (10, 10') is in the axial direction at least as long as the width of the web in its cross direction, preferably as long as the length of the shell of the reel spool (5) in the axial direction.

24. The reel-up according to claim 21, **characterized** in that the means for reeling comprise a press roll (9, 9', 9'', 9'''), which, together with the reel (R) forms a nip (N3) during the secondary reeling.

25. The reel-up according to any of the claims 19, 20 or 21, **characterized** in that the transfer device (7) is arranged to move the reel spool (5) during the secondary reeling.

26. The reel-up according to any of the claims 19, 20 or 22, **characterized** in that the transfer device (7) is arranged to move the reel spool (5) during the primary reeling.

27. The reel-up according to claim 19 or 20, **characterized** in that the reel-up is provided with a control and adjustment unit (11) to adjust the reeling.

28. The reel-up according to claim 19, **characterized** in that the auxiliary nip (N2) is arranged to be formed for the duration of the threading of the web (W).